

# USPS Pricing Engine SDK

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July 23, 2021

## Summary

This is the Domestic and International Pricing Engine SDK (version 11.10.5.0) for the August 2021 Release. The following is a list of enhancements included in this release.

### **RCALC Aug 2021 PC - BNS 67552 - Break Rate Relationships MD & Comp Intl Special Svcs (B-538223)**

1) For mail dates on or after August 29, 2021, Price Engine calculators and services return...

The correct August 2021 pricing for FCMI (Market-Dominant) extra services

- Certificate of Mailing
- Registered Mail
- Return Receipt

The correct August 2021 pricing for FCPIS (Competitive) extra services

- Certificate of Mailing
- Registered Mail
- Return Receipt

The correct August 2021 pricing for Priority Mail International (Competitive) extra service

- Return Receipt

2) For mail dates prior to August 29, 2021, Price Engine returns the same current pricing for the following extra services regardless of market-dominant or competitive service

- Certificate of Mailing (FCMI, FCPIS)
- Registered Mail (FCMI, FCPIS)
- Return Receipt (FCMI, FCPIS, PMI)

3) For mail dates on or after August 29, 2021 GetPriceBySKU returns correct prices for all new market-dominant international extra services as well as existing competitive international extra services

New International Extra Services to separate MD from Competitive

Associate each extra service to the appropriate mail services (MD or Comp)

Extra Services rules will remain the same for MD and Comp for now

No change to how prices are returned/displayed to online calculators and downstream systems

## **RCALC Aug 2021 PC - BNS 85367 - Structural Price Change for FCM Non-Automated Letter (B-538201)**

New rate cells will be added for customers mailing Nonautomation Letters (Machinable and Nonmachinable).

This will eliminate the Nonmachinable surcharge applicable Nonautomation Presort Letters.

**Nonmachinable surcharge is still necessary for Single-Piece.**

Necessary system changes and updates are required to reflect this change in the First-Class Mail Commercial pricing structure.

As a mailer, I want new price cells to be added to the First- Class Mail Commercial Letters Pricing Structure

so that

Mailers can take advantage of presort rates for Nonautomation Letters (Machinable and Nonmachinable). Instead of having one rate cell for all Nonautomation Presort, the new structure will have two rate cells for Nonautomation Machinable and three rate cells for Nonautomation Nonmachinable

Impact:

Ingest additional prices/SKUs from Pricing Tool

Return additional pricing for FCM Comm Letters to Bus Calc and Dom Services

Nonautomation Machinable (AADC and Mixed AADC) and Nonautomation Nonmachinable (5-Digit, 3-Digit, Mixed ADC) Was presorted before now sorted will be a price point

## **RCALC Aug 2021 PC - BNS 85369 - High Density Flats Pricing on Direct Pallets (B-538200)**

Provide a new, lower price for high density flats put on direct pallets, saving 3 cents per piece in operational costs while costing 1 cent per piece in discounts

As the Price Engine, I want new price cells to be added to the Marketing Mail High Density Flats Pricing Structure

so that I can provide an incentive to move additional High Density pieces to direct pallets.

A "Direct Pallet Discount" will be offered for High Density Flats, similar to the discount is currently offered for Carrier Route Flats on Direct Pallets

#### Impact:

Domestic Business Calculator - present new prices  
New prices ingested from Pricing Tool

#### Acceptance Criteria:

Additional rate cells are added to reflect this lower price for High Density flat-shaped pieces.

Necessary systems changes are required to accurately charge the new prices to the customers

New pricing structure added for USPS Marketing mail High Density Flats named "High Density CR Bundle / Pallet".

### **RCALC Aug 2021 PC - BNS 85984 - Create Aug 2021 Domestic & International Databases (B-537634)**

Create Aug 2021 Domestic and International Databases for the 8/29/2021 Price Change

#### **Changes to the Database Structure**

New databases are created to support domestic and international logic and prices. These databases are named USPS\_DOM\_2020\_01 and USPS\_INTL\_2020\_01 respectively. There is now only one pricing table to represent SKUs.

#### **Updated DLLs**

The library versions remain the same 11.11.0.0.

#### **Updated databases**

New databases have been created for this release: USPS\_DOM\_2021\_08 and USPS\_INTL\_2021\_08 for domestic and international respectively. With SKU Pricing the pricing tables have been replaced by a single pricing table this is SKU based.

#### **Impact on Existing Applications**

You will not have to rebuild your applications.

## Instructions

1. Restore the databases (SQL Server 2016 backups). The database backups are not included and can be downloaded separately. Note: the SQL script files have been included in the package for those that cannot restore the SQL Server 2016 backups. SQL Scripts should be executed in the order shown below.

Note: Batch files are provided to assist with executing the scripts. They must be executed with a parameter that specifies the database name, e.g. "sql\_update USPS\_DOM\_2021\_08". They can also be used just to describe the order in which these scripts should be run.

Batch script	Parameter
SQL\Domestic\sql_update.bat	USPS_DOM_2021_08
SQL\International\sql_update.bat	USPS_INTL_2021_08

Ex: sql\_update.bat USPS\_DOM\_2021\_08

## Contents

Description	File
<b>Folder</b>	Database
<b>Folder</b>	Domestic
<b>Database</b>	USPS_DOM_2021_08
<b>SQL Script</b>	August 2021 Price Change 20210707 - RateCalc Dom SKU Based
<b>SQL Script</b>	B-545529-Structural Price Change for FCM Non-Automated Letter
<b>SQL Script</b>	BNS 85369 - High Density Flats Pricing on Direct Pallets
<b>SQL Script</b>	PeakPrices
<b>SQL Script</b>	Update CacheAge
<b>Batch File</b>	Sql_update.bat
<b>Folder</b>	International
<b>Database</b>	USPS_INTL_2021_08
<b>SQL Script</b>	August 2021 Price Change 20210707 - RateCalc Intl SKU Based
<b>SQL Script</b>	B-545864 August 2021 Price Change 20210707 - RateCalc Intl SKU insert
<b>SQL Script</b>	B-545864 August 2021 Price Change 20210707 - RateCalc Intl SKU update
<b>SQL Script</b>	CreateClient_CNSB_Meter_009B5
<b>SQL Script</b>	CreateClient_CNSB_Retail_Stamps_009R4
<b>SQL Script</b>	CreateClient_CNSv2_008R3
<b>SQL Script</b>	CreateClient_eVS_011B6
<b>SQL Script</b>	CreateClient_eVS_011B8
<b>SQL Script</b>	CreateClient_CNSv2_008B3

SQL Script	CreateClient_eVS_011P6
SQL Script	CreateClient_eVS_011P8
SQL Script	CreateClient_eVS_025B6
SQL Script	CreateClient_eVS_025B8
SQL Script	CreateClient_eVS_025P6
SQL Script	CreateClient_eVS_025P8
SQL Script	CreateClient_GXG_Claims_037R4
SQL Script	CreateClient_PC_Postage_007B7
SQL Script	CreateClient_PriceCalc_014C4
SQL Script	CreateClient_PriceCalc_014R4
SQL Script	CreateClient_PriceCalc_014X0
SQL Script	CreateClient_PriceCalc_023C4
SQL Script	CreateClient_WebTools_004B4
SQL Script	CreateClient_WebTools_004P4
SQL Script	CreateClient_WebTools_004R4
SQL Script	PeakPrices
SQL Script	Update CacheAge for Customer Map
SQL Script	Update CacheAge
Batch File	Sql_update.bat
Design Model	Pricing Engine.pdf
Release Notes	USPS Pricing Engine SDK 11_10_5_0.pdf

## Reported Defects and Change Request

Description	Status
None at this time	